

Rounding Decimals



Look at the digit to the right of the place value you are rounding. If the # is ≤ 4 , round down. If it's ≥ 5 , round up.

5.[↑]163 round to nearest tenth
6 is ≥ 5 , so round up to 2

5.2

Leading Digit - 1st nonzero digit at the left
(behind the decimal!)

round small #'s by rounding to leading digit

0.00[↑]872 Leading digit is 8, in thousandths' place

0.009

Larger #'s - If a # is in the millions, round to the hundred thousands place and write as a decimal number of millions.

49,[↑]876,441 round to hundred thousand \rightarrow 49,900,000
 \rightarrow approx. 49.9 million

49.9 million

14,921,010 = 14,900,000
14.9 million